

8th International Feline Retrovirus Research Symposium 2006 Program & Agenda

Unless Otherwise Noted, All Podium Presentations are in the Ballroom

Sunday, October 8, 2006

3:00 – 5:45	p.m.	Registration	Ballroom Foyer
5:45 – 6:00	p.m.	Stephen O'Brien	Welcome
6:00 – 7:15	p.m.	Albert Osterhaus	1 Keynote Speaker: <i>Newly Emerging Viral Infections</i>
7:15 – 9:15	p.m.	Opening Reception	Washington Room Sponsor: Schering Plough Animal Health

Monday, October 9, 2006

7:00 – 8:30	a.m.	Poster Preparation	Washington Room Posters available for viewing until 3:40 pm break on Tuesday. Official poster session will be from 6-7 pm Monday night
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8:00 – 12:00	a.m.	Registration	Ballroom Foyer
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Session 1 Introduction & Overview (Moderator: Mary Tompkins)

8:30 – 8:40	a.m.	Stephen O'Brien	Introduction
8:40 – 9:10	a.m.	Mary Tompkins	2 Plenary: <i>Immune Dysfunction In FIV Infection: An Overview</i>
9:10 – 9:40	a.m.	Brian Willett	3 Plenary: <i>Chemokines And Co-Stimulatory Molecules: Unravelling The Mechanism Of Infection With FIV</i>
9:40 – 10:10	a.m.	Sue VandeWoude	4 Plenary: <i>Mechanisms of Feline Lentivirus Interference and Control</i>
10:10 – 10:40	a.m.		Break
10:40 – 11:10	a.m.	Peter Rottier	5 Plenary: <i>Genetically Modified Feline Coronaviruses as Vaccines for Protection against Feline Infectious Peritonitis (FIP)</i>
11:10 – 11:40	a.m.	Hans Lutz	6 Plenary: <i>Diagnosis of Feline Leukemia Virus (FeLV) Infection: Review and Outlook</i>
11:40 – 12:10	p.m.	Oswald Jarrett	7 Plenary: <i>How FeLV Changed The World</i>
12:10 – 1:30	p.m.	Complimentary Lunch	Ballroom, General Session Room

Session 2 Emerging Pathogens (Moderator: Colin Parrish)

1:30 – 2:00	p.m.	Colin Parrish	8 Plenary: <i>Variation In Transferrin Receptor Binding Determines Host Susceptibility To Feline And Canine Parvoviruses</i>
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2:00 – 2:20	p.m.	James Fox	9 Plenary: <i>Helicobacter spp. Influences the Development of Primary Gastric Lymphoma in Cats: A Testable Hypothesis</i>
2:20 – 2:40	p.m.	Edward Breitschwerdt	10 Plenary: <i>Bartonellosis: Of Cats, Dogs and Veterinary Professionals</i>
2:40 – 3:00	p.m.	Craig Packer	11 Plenary: <i>The Ecology of Disease Outcomes in the Serengeti</i>
3:00 – 3:20	p.m.	Christiaan Winterbach	12 Plenary: <i>Sero-Prevalence Of Feline Immunodeficiency Virus In African Lions – Is It Host Density Dependent?</i>
3:20 – 3:50	p.m.	Break	

Session 3 FIV Virology (Moderator: Eric Poeschla)

3:50 – 4:10	p.m.	Eric Poeschla	13 Plenary: <i>An Essential Co-Factor For HIV And FIV Integration</i>
4:10 – 4:30	p.m.	Edward Hoover	14 Plenary: <i>In Vivo CXCR4 Expression, Lymphoid Cell Phenotype, And Feline Immunodeficiency Virus Infection</i>
4:30 – 4:45	p.m.	Benjamin Luttge	15 <i>Mechanisms Of FIV Release From Infected Cells</i>
4:45 – 5:00	p.m.	Benjamin Wang	16 <i>Pathogenic Determinants Of Feline Immunodeficiency Virus Accessory Gene ORF-A</i>
5:00 – 5:15	p.m.	Mauro Pistello	17 <i>Development of a Self-Inactivating Bicistronic Lentiviral Vector for Heterologous Primary Cells Transduction</i>
5:15 – 5:30	p.m.	Eric Poeschla	18 <i>Species-Specific Post-Entry Restriction Of FIV</i>
5:30 – 5:45	p.m.	Barnabe Assogba	19 <i>APOBEC In FIV Infection And Latency</i>

POSTER SESSION

6:00 – 7:00	p.m.	Poster Session	Washington Room (posters will be up until Tuesday 3:40 p.m.)
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FREE EVENING

Tuesday, October 10, 2006

Session 4 Feline Immunology (Moderator: Naoya Yuhki)

8:00 – 8:30	a.m.	Naoya Yuhki	20 Plenary: <i>Evaluation Of 2 X Cat Whole Genome Shotgun Sequence Assembly Based On Complete Annotation Of BAC Based MHC Sequence And SNP Analysis Of Two MHC Haplotypes</i>
8:30 – 9:00	a.m.	Mauro Bendinelli	21 Plenary: <i>The Tryptophan-Rich Motif (TrpM) in the Membrane- Proximal External Region (MPER) of the FIV TM as a Model for Fusion Inhibitors and Immunogens</i>
9:00 – 9:15	a.m.	Angela Mexas	22 <i>Effect Of CD4+CD25+ Regulatory T Cells On CD4+ T Helper Cell Immune Responses During The Acute Phase Of FIV Infection</i>

9:15 – 9:30	a.m.	Jonathan Fogle	<i>23 Ex Vivo Depletion Of CD4+CD25+ Regulatory T Cells Leads To Enhanced CD8+ T Cell IFN-γ Production During Acute FIV Infection</i>
9:30 – 9:45	a.m.	Tracy Lehman	<i>24 The Effects Of Chronic Feline Immunodeficiency Virus Infection On Bone-Marrow Derived Dendritic Cell Cytokine Production In Response To Toll-Like Receptor And CD40 Ligation</i>

9:45 – 10:15 a.m. Break

Session 5 FIV Vaccines & Therapy (Moderator: Janet Yamamoto)

10:15 – 10:45	a.m.	Janet Yamamoto	<i>25 Plenary: Probing the Mechanisms of Dual-subtype FIV Vaccine Protection</i>
10:45 – 11:05	a.m.	Mauro Pistello	<i>26 Plenary: Should Accessory Proteins Be Structural Components of Lentiviral Vaccines? Lessons Learned From the Accessory ORF-A Protein of FIV</i>
11:05 – 11:20	a.m.	Eiji Sato	<i>27 Sequence Analysis of MHC-I Genes Confirms MHC-I-restriction in Dual-subtype FIV Vaccine Protection</i>
11:20 – 11:35	a.m.	Francesca Bonci	<i>28 A New Fluorimetric Assay For Monitoring Cytotoxic T-Lymphocyte Activity Elicited By A Prime Boost Vaccination Against FIV Env</i>
11:35 – 11:50	a.m.	S. Rochelle Smithberg	<i>29 Preservation Of Anti-FIV-P24 Effector Cells During Depletion Of Treg Cells From Feline Lymphoid Tissues</i>
11:50 – 12:05	p.m.	Katrin Hartmann	<i>30 Influence Of Feline Interferon-γ On The Survival Time Of Cats Infected With Feline Infectious Peritonitis</i>
12:05 – 12:20	a.m.	Kristina Howard	<i>49 Difference In Mucosal FIV Pathogenesis Using Decreased Doses Of Viral Inoculum</i>
12:20 – 1:30	p.m.	Complimentary Lunch	Ballroom, General Session Room

Session 6 Feline Genomics & Viral Evolution (Moderator: Stephen J. O'Brien)

1:30 – 2:15	p.m.	Stephen O'Brien	<i>31 Plenary: The Annotation and Promises of the Feline Genome Sequence</i>
2:15 – 2:35	p.m.	Joan Pontius	<i>32 Plenary: Use of Online Resources for the Annotation of Retroviral Interactions in the <i>Felis catus</i> Genome</i>
2:35 – 3:05	p.m.	Alfred Roca	<i>33 Plenary: Endogenous Retroviruses in the Domestic Cat Genome</i>
3:05 – 3:25	p.m.	Jill Pecon-Slaterry	<i>34 Plenary: Genetic Signatures Of FIV Evolution In Felidae</i>
3:25 – 3:40	p.m.	Warren Johnson	<i>35 Mitochondrial Introgressions Into The Nuclear Genome Of The Domestic Cat</i>
3:40 – 4:10	p.m.	Break	<u>Poster Presenters:</u> Please take down posters in Washington Room to prepare for banquet.

Session 7 The Cat as a Model of Infectious Disease (Moderator: John Elder)

4:10 – 4:40	p.m.	John Elder	36 Plenary: <i>FIV As A Model For Development Of Interventions Against HIV</i>
4:40 – 4:55	p.m.	Allison German	37 <i>Feline Foamy Virus Infection Associated With Subclinical Pathology In Cats</i>
4:55 – 5:10	p.m.	Surender Kumar	38 <i>Effect Of Alloantigen Exposure On MLR And Immune Phenotype</i>
5:10 – 5:25	p.m.	Nicola Fletcher	39 <i>Development Of A Feline Specific In Vitro Blood-Brain Barrier And Its Applications In The Study Of Feline Immunodeficiency Virus Infection</i>
5:25 – 6:00	p.m.	Round Table Discussion: <i>Integration Of Genomics And Infectious Disease In The Cat Model: Ongoing And Future Perspectives</i> . Stephen O'Brien (chair), John Elder, Hans Lutz, Sue VandeWoude, Mauro Pistello, Brian Willett	
6:00 – 7:00	p.m.	Cocktails	Sky Terrace Sponsor: Kyoritsu Seiyaku Corporation
7:00 – 11:00	p.m.	Banquet William Hardy, Jr.	Washington Room 40 <i>Lessons From Time Spent in Cat Houses: An Historical Overview of the Feline Leukemia Virus and Other Pathogens</i> Sponsor: Office Of Rare Diseases, National Institutes of Health Sponsor: Fort Dodge Animal Health Sponsor: Pfizer Animal Health

Wednesday October 11, 2006

Session 8 Retroviral Infection of Exotic Cat Species (Moderator: Mary Poss)

8:00 – 8:30	a.m.	Mary Poss	41 Plenary: <i>Molecular Biology And Evolution Of Feline Lentiviruses</i>
8:30 – 8:50	a.m.	Melody Roelke	42 Plenary: <i>Wild African Lions And Florida Pumas Infected With FIV Reveal Distortions In Their T-Lymphocyte Profiles With Significant CD4 Cell Depletion: Clinical & Pathological Consequences</i>
8:50 – 9:05	a.m.	Mark Cunningham	43 <i>Epizootiology and Management of Feline Leukemia Virus in Free-Ranging Florida Panthers—Research Update</i>
9:05 – 9:25	a.m.	Meredith Brown	44 Plenary: <i>Genetic Characterization Of Feline Leukemia Virus (FeLV) In The Free-Ranging Florida Panther (Felis concolor coryi) Population</i>
9:25 – 9:45	a.m.	Jennifer Troyer	45 Plenary: <i>FIV Cross-Species Transmission: An Evolutionary Prospective</i>

Session 9 FeLV Virology & Pathogenesis (Moderator: Takayuki Miyazawa)

9:45 – 10:15	a.m.	Takayuki Miyazawa	46 Plenary: <i>A Soluble Envelope Protein Of Endogenous Retrovirus Present In Serum Of Domestic Cats Mediates Infection Of A Pathogenic Variant Of Feline Leukemia Virus</i>
10:15 – 10:45	a.m.	Break	
10:45- 11:15	a.m.	Laura Levy	47 Plenary: <i>Selection and Pathogenesis of an Unusual FeLV Isolate Predominant in a Natural Cohort</i>
11:15 – 11:35	a.m.	Regina Hofmann-Lehmann	48 Plenary: <i>How Molecular Methods Change Our Views Of FeLV Infection And Vaccination</i>
11:35 – 11:50	a.m.	Andrea Torres	50 <i>Insight Into FeLV:Host Relationships Using Real-Time DNA And RNA qPCR</i>
11:50 – 12:05	p.m.	Regina Hofmann-Lehmann	51 <i>Cellular Segregation Of Feline Leukemia Virus In Leucocyte Subsets Of Long-Term Experimentally Infected Cats</i>
12:05 – 12:20	p.m.	Ravi Tandon	52 <i>Copy Number Polymorphisms Of Endogenous Feline Leukemia Virus-Like Sequences</i>
12:20 – 12:35	p.m.	Julie Levy	53 <i>Long-Term Outcome Of Cats With Natural FeLV And FIV Infection</i>
12:35 – 12:50	p.m.	Yasuhito Fujino	54 <i>Identification Of A Common Proviral Integration Site, Flit-1, In Feline Leukemia Virus-Induced Thymic Lymphomas</i>
12:50 – 1:05	p.m.	Stephen O'Brien	Concluding Remarks